Canon EOS 5D Mark III DSLR Camera

The **Canon EOS 5D Mark III DSLR Camera** is a full-frame 22.3MP DSLR featuring exceptional still image and movie recording capabilities. Integrating Canon's new DIGIC 5+ Image Processor and 14-bit A/D conversion, this camera is able to produce superbly detailed imagery with immense low-light sensitivity that is further aided by an extended ISO range up to 102400.

Image quality is further enhanced by the new 61-point high density reticular autofocus, including up to 41 cross-type AF points and 5 dual diagonal AF points for ensured sharpness. iFCL metering works in conjunction with the AF system and uses color information from scenes to produce accurate exposure readings using a 63 zone dual-layer metering sensor. HDR and Multiple Exposure modes provide greater creative opportunities and help you to reduce the amount of post-production time needed to produce high quality imagery.

The 5D Mark III is also capable of recording full HD video with manual exposure control and in multiple frame rates, including 1080/30p and 720/60p. Still images can also be recorded up to 6fps. Image review is possible using the 1,040,000-dot 3.2" Clear View II LCD monitor, which features a high-transparency, reflection resistant multi-coating for adequate viewing under bright conditions. The Intelligent Viewfinder also integrates a superimposed LCD providing you with exposure information and features a 100% field of view.

A highly durable magnesium-alloy body surrounds the components and offers increased dust and weather resistance. An updated EOS Integrated Cleaning system also helps to reduce and remove dust within the camera body. Several of the physical controls on the camera body are fully customizable for a more efficient workflow and more convenient handling scheme. Dual CF and SD memory card support also increases the compatibility of the camera. Support is also provided for the optional Canon Wireless File Transmitter and GPS receiver for remote logging, tracking, and sending of your imagery.

22.3 Megapixel Full-Frame CMOS Sensor
A newly designed 22.3MP full-frame CMOS sensor is incorporated into the 5D Mark III providing you with highly detailed, rich images with a maximum resolution of 5616 x 3744 pixels. The sensor is also features a high S/N ratio and larger individual pixels for increased visual depth and cleaner looking images. A new photodiode structure and increased photoelectric conversion rate also helps to improve the overall sensitivity of the sensor, resulting in a reduction in image noise and improved high ISO performance.

DIGIC 5+ Image Processor
Processing speed and power are increased to promote significantly greater overall performance and response from all aspects of the camera. New algorithms are incorporated in order to promote better noise reduction for higher ISOs and chromatic aberration compensation. The increase in processing speed also helps to improve the continuous shooting rate, bringing it to 6 full-resolution frames-per-second.

14-bit A/D Conversion
The 14-bit signal processing helps to improve the quality and gradation of images by producing

more natural, smooth-looking results. An increased ISO range is also provided, from 100 to 25600 in standard modes and 50 to 102400 in expanded modes. The ISO range can be controlled and customized depending on the user's preferences, and additionally an auto ISO mode can be employed. This extended sensitivity range helps to counter frequently changing and difficult lighting situations and significantly minimizes noise when photographing with even the top-rated sensitivity.

61-Point High Density Reticular AF
The newly designed 61-point autofocus interface helps to ensure critical focus no matter how complex or difficult the situation is. Featuring up to 41 cross-type AF points (with f/4 lens support) and 5 dual diagonal AF points (with f/2.8 sensitivity); this AF system is highly accurate and extremely low-light sensitive.

The dedicated AF menu tab permits quick and easy access, eliminating the need to navigate through settings menus in order to modify your AF settings. Autofocus point selection is broken up into 6 different methods-Spot, Single Point, Single + 4 Adjacent Points, Single + 8 Adjacent Points, Zone Selection, and Automatic AF Point Selection-as well as a dedicated AF configuration tool for control of AI Servo AF III tracking parameters.

iFCL 63-Zone Dual Layer Metering Sensor
An intelligent metering system works in conjunction with the autofocus system and independently analyzes 'Focus, Color, and Luminance' within the scene for the most precise exposure settings possible. The 63 zones cover the entire image area with great detail and the dual-layer design permits a wider sensitivity to different wavelengths of light.

The dual layers are split into a red/green channel and a blue/green channel; which counters the red light sensitivity bias electronic sensors inherently have. A series of algorithms are employed to combine data received from both layers, with the resulting exposure reading being extremely accurate regardless of the shooting conditions.

EOS HD Video
Full HD video recording is supported in multiple formats, including 1080/30p, 24p, 25p; 720/60p, 50p; 480/30p, 25p. While recording video, a 4GB automatic file partition is employed in order to gain longer continuous recording times, up to 29 minutes 59 seconds. Both All i-frame and IPB compressions are supported as well as the standard H.264/MPEG -4 AVC codec. Embedding the time code is also possible for greater convenience when recording with multiple cameras.

Video performance is further enhanced with the ability to manually adjust your exposure settings and audio levels while recording. By employing Live View, you can view your recording on the LCD and make settings changes with a dedicated menu tab on the fly. The DIGIC 5+ processor also dramatically improves video response times and helps to reduce color artifacts, aberrations, and moiré.

Rugged and Efficient Design
Constructed from magnesium-alloy, the 5D Mark III features a toughened housing that provides enhanced dust and weather resistance. Its ergonomic design also produces an intuitively navigable interface with an emphasis on lessening hand strain and increasing functionality. Handling is

simplified and natural with this body due to the incorporation of customizable controls: You can make shooting settings with just your right hand, and fast image check and image processing operations with just your left. The redesigned grip offers easy holding when shooting or carrying the camera, while the rubber skin coating has been engineered for all day comfort in your hand and also coats the camera's card slot cover. Additionally, there's an internal headphone terminal and dual card slots supporting both CF and SD / SDHC / SDXC memory cards. Three recording modes are ideal for a variety of workflows: Auto switch media instructs the camera to swap cards as soon as one card is filled, a great feature for long shoots. The camera can also record separately to each card. For extra security, you can set the Mark III to generate an automatic backup by recording the same file to both cards at the same time.

The 5D Mark III also boasts a dual-axis electronic level indicator displaying vertical and horizontal tilt on the LCD monitor--either alone or during Live View shooting. The indicator may also be displayed in the intelligent viewfinder, if you prefer.

A newly designed shutter is equally as durable and has been tested up to 150,000 cycles. The lightweight, carbon fiber blades also provide support for the increased 6fps burst rate.

The body construction also features extensive gasketing for maximum dust and weather protection, even at connection points around the lens, hot shoe, and memory card slots. Further dust protection and removal is aided by an updated EOS Integrated Cleaning system that uses a vibration-based dust removal process.

Intelligent Viewfinder
The optical viewfinder provides a 100% field of view with 0.71x magnification and a wide viewing angle of 34.1%deg;. A refined design integrates aspherical lens elements into the construction and lessens distortions and color aberrations while providing greater clarity for composing imagery. In addition to a clear view, a superimposed, transparent LCD is also incorporated. This Intelligent Viewfinder mode can be toggled on or off quickly at the touch of a button, allowing you to remove all camera information for unobstructed viewing. The information provided when it is on includes a customizable display of focus points and grid lines, which can also be directed to appear outside of the image area.

Canon's Dual Axis Electronic Level can also be used in conjunction with the Intelligent Viewfinder and visually displays pitch and roll angles, aiding in properly level horizons. When used in the viewfinder, this feature can display +/- 6° of roll and +/- 4° of pitch in 1° increments when held horizontally (the inverse is shown when held vertically). The electronic level is particularly useful for landscape photographers and those working with tilt and shift lenses whose angle of view is especially critical.

3.2" Clear View II LCD Monitor
The expanded 3.2" Clear View II LCD provides high quality viewing with a 1,040,000-dot resolution and anti-reflection coating. This allows for sharp and clear viewing in even the brightest of conditions and displays images and videos with great detail and richness. The display also features a viewing angle up to 170° for review from the side or below.

The Dual Axis Electronic Level is also functional in on the LCD and can display a full 360° of roll

and +/- 10° of pitch in 1° increments. When used in conjunction with Live View mode, a smaller display is placed over the image. Live View mode permits real-time image review and can also place grid lines over the image for compositional help. You can also zoom into and navigate within the image when in Live View and use the grid lines for minute control and precision over the alignment of your photograph.

Multiple Exposure and High Dynamic Range
Multiple exposures are possible in-camera and can be recorded onto a single file using 4 distinct settings for control. When in Additive mode, this closely resembles making multiple exposures on film and layers each exposure; manual exposure compensation is required. Average mode layers the images and automatically compensates for the final exposure, eliminating the unintended possibility of gross under or overexposure. Bright mode is specifically designed for photographing in uniformly dark scenes with a bright subject, such as a studio environment. Dark mode functions inversely, and helps to eliminate overly bright sections of the image including reflections and highlights.

A High Dynamic Range (HDR) mode is also incorporated and allows for the creation of HDR images in-camera, reducing the time needed to manually overlay images in post-production. When using this mode, a series of 3 bracketed exposures are made of the same image, then automatically integrated into the same frame, resulting in a photograph without blown highlights or blocked up shadows and a long middle range of tones. This mode is especially useful when photographing scenes with a great deal of contrast.

Wireless and GPS Compatible
The 5D Mark III is compatible with the WFT-E7A Wireless File Transmitter as well as the GP-E2 GPS Receiver (both not included). The WFT-E7A, which supports 802.11 a/b/g/n and sports a built-in Gigabit Ethernet connection, provides LAN and Bluetooth image transfers and features an FTP mode with automatic image resend function to ensure file delivery even if the signal momentarily drops. The transmitter also has EOS utility mode and WFT server mode, and is capable of performing time sync multiple cameras on the same network. The GP-E2, which connects via USB or Hot Shoe, automatically embeds location data into the images' metadata, including latitude, longitude, elevation, and the camera's orientation in relation to a compass reading when shooting. It also has a GPS time sync function, particularly useful when a project is shot among different time zones. Both of these accessories do not compromise the 5D Mark III's dust and weather resistance and are designed to the same rugged specifications. 1

Optional Battery Grip
The optional dedicated Battery Grip BG-E11 (not included) features buttons and a multi-controller. It delivers seamless performance regardless of whether the camera is in vertical or horizontal orientation. The grip takes 2 LP-E6 batteries or an included AA battery magazine, and is useful in counter-balancing large lenses during handheld shooting.

Imaging	
Camera Type	Digital SLR with Interchangeable lenses
Lens Mount	Canon EF
Camera Format	Full-Frame

Pixels	Actual: 23.4 Megapixel Effective: 22.3 Megapixel
Max Resolution	22.1MP: 5760 x 3840 @ 3:2
Other Resolutions	10.5MP: 3960 x 2640 @ 3:2 10MP: 3840 x 2560 @ 3:2 5.5MP: 2880 x 1920 @ 3:2 2.5MP: 1920 x 1280 @ 3:2 0.3MP: 720 x 480 @ 3:2
Aspect Ratio	3:2
Sensor Type / Size	CMOS, 36 x 24 mm
File Formats	**Still Images:** JPEG, RAW **Movies:** MOV, MPEG-4 AVC/H.264 **Audio:** Linear PCM
Bit Depth	14-bit
Noise Reduction	Yes
Memory Card Type	CompactFlash SD SDHC SDXC
Focus Control	
Focus Type	Auto & Manual
Focus Mode	Single-servo AF (S), Continuous-servo AF (C), Manual Focus (M)
Autofocus Points	61
Viewfinder/Display	
Viewfinder Type	Pentaprism
Viewfinder Coverage	100%
Viewfinder Magnification	Approx. 0.71x
Diopter Adjustment	- 3.0 to +1.0 m
Display Screen	3.2" Rear Screen LCD (1,040,000)
Screen Coverage	100%
Live View	Yes
Exposure Control	
ISO Sensitivity	100-25600 (High Sensitivity Mode: 50-102400)
Shutter	Type: Mechanical Speed: 1/8000 - 30 sec
Remote Control	RS-80N3, LC-5 & RC-6 (Optional)
Mirror Lock-Up	Yes
Metering Method	Average metering, Center-weighted average metering, Multi-zone metering, Spot metering
Exposure Modes	Modes: AE Lock, Aperture Priority, Auto, Manual, Programmed Auto, Shutter Priority Compensation: -5 EV to +5 EV (in 1/3 EV steps)
White Balance Modes	Auto, Cloudy, Custom, Daylight, Flash, Fluorescent (White),

	Kelvin, Manual, Shade, Tungsten
Flash	
Built-in Flash	No
Max Sync Speed	1 / 200 sec
Flash Compensation	-3 EV to +3 EV (in .33 or .5 EV steps)
External Flash Connection	Hot Shoe, PC Terminal
AV Recording	
Video Recording	Yes
File Size	1920 x 1080 (Full HD) 1280 x 720 640 x 480
Frame Rate	@ 1920 x 1080: 30 fps, 25 fps, 24 fps @ 1280 x 720: 60 fps, 50 fps @ 640 x 480: 30 fps, 25 fps
Exposure Control	Manual: Shutter Speed, Aperture, ISO
ISO Sensitivity	100 - 12800, Expandable to 25600
Exposure Compensation	-3 EV to +3 EV (in .33 EV steps)
Focus	Auto Manual
Audio Recording	Optional External Mic: With Video, Stereo,
Performance	
Continuous Shooting	Up to 6.0 fps
Start-up Time	0.1 Seconds
Shutter Lag	0.2 Seconds
Self Timer	2 sec, 10 sec
Interval Recording	Not Specified By Manufacturer
Connectivity	1/8" Headphone 1/8" Microphone AV Output HDMI C (Mini) USB 2.0
Wi-Fi Capable	Yes
Power	
Battery	1x LP-E6 Rechargeable Lithium-Ion Battery Pack, 7.2VDC, 1800mAh
AC Power Adapter	AC Adapter Kit ACK-E6 (Optional)
Operating/Storage Temperature	**Operating** 32 to 104°F (0 to 40°C) Humidity: 0 - 85%
Physical	
Dimensions (WxHxD)	6.0 x 4.6 x 3.0" / 15.2 x 11.7 x 7.6 cm
Weight	1.89 lb / 860 g